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surface, said at least one thermal element being in thermal contact with said at least

one surface.

Claim 2. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

thermal element is attached to said at least one surface.

Claim 3. (Original): The invention as set forth in Claim 1 wherein said at least one

thermal element is loosely disposed in said vapor generation space.

Claim 4. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is defined at least partially by at least one surface and wherein said

at least one thermal element is displaced from said at least one surface.

Claim 5. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

at least one thermal element is in contact with said at least one surface.

Claim 6. (Original): The invention as set forth in Claim 5 wherein said at least one

thermal element and said at least one surface are composed of materials such that

electrolysis is substantially avoided.

Claim 7. (Original): The invention as set forth in Claim 5 wherein said at least one

thermal element and said at least one surface are composed of substantially similar

materials.

Claim 8. (Original): The invention as set forth in Claim 5 wherein said at least one

surface is substantially composed of stainless steel and said at least one thermal

element is substantially composed of aluminum.

Claim 9. (Original): The invention as set forth in Claim 5 wherein said at least one

thermal element is substantially composed of stainless steel and said at least one

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surface is substantially composed of aluminum.

Claim 10. (Original): The invention as set forth in Claim 1 further including means for

providing input of liquid into said vapor generation space.

Claim 11. (Original): The invention as set forth in Claim 10 wherein said means for

providing input of liquid into said vapor generation volume is controllable by a user

thereof.

Claim 12. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

at least one surface is substantially smooth.

Claim 13. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

at least one surface defines at least one etch.

Claim 14. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

at least one surface defines a plurality of etches.

Claim 15. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

at least one surface defines at least one perforation.

Claim 16. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

at least one surface defines a plurality of perforations said perforations varying in size

substantially randomly.

Claim 17. (Original): The invention as set forth in Claim 1 wherein said vapor

generation space is at least partially defined by at least one surface and wherein said

at least one surface defines at least one groove.

Claim 18 (currently amended): A superheated vapor generator system for generating superheated vapor comprising: a vapor generation space for entry thereinto of liquid to be vaporized into superheated vapor said vapor generation space including at least one thermal element, said vapor generation space being at least partially defined by at least one surface said at least one surface defining at least one groove, wherein said at least one groove has a depth substantially in the range of 0.0030-0.0050 inch.

<u>Claim 19.</u> (Original) The invention as set forth in Claim 1 wherein said vapor generation space is at least partially defined by at least one surface and wherein said at least one surface defines a plurality of ridges and grooves.

<u>Claim 20</u>. (Original) The invention as set forth in Claim 19 wherein said grooves are substantially circular in shape.

<u>Claim 21.</u> (Original) The invention as set forth in Claim 20 wherein said ridges and grooves are in the form of substantially concentric circles about an axis of said vapor generation space.

Claim 22 (currently amended): A superheated vapor generator system for generating superheated vapor comprising: a vapor generation space for entry thereinto of liquid to be vaporized into superheated vapor wherein said vapor generation space is at least partially defined by at least one surface and wherein said at least one surface defines a plurality of ridges and grooves, wherein the depth of said plurality of grooves varies substantially randomly in the range 0.0030 inch -0.0050 inch.

Claim 23 (cancelled): The invention as set forth in Claim 19 wherein the depth of said plurality of grooves varies substantially randomly in the range 0.030 inch - 0.050 inch.

<u>Claim 24</u> (Original): The Invention as set forth in Claim 19 wherein said at least one surface defines at least one cross-groove.

<u>Claim 25.</u> (Original): The invention as set forth in Claim 1 wherein said at least one thermal element is generally cylindrical in configuration.

<u>Claim 26.</u> (Original): The invention as set forth in Claim 1 wherein said at least one thermal element is thermally conductive.

<u>Claim 27.</u> (Original): The invention as set forth in Claim 1 wherein said vapor generation space is at least partially defined by a surface and wherein said surface includes at least one opening in the nature of a crevice or a crack.

<u>Claim 28.</u> (Original): The invention as set forth in Claim 1 wherein said vapor generation space is at least partially defined by a surface and wherein said surface defines a plurality of irregular openings therethrough.

Claim 29 (currently amended): A superheated vapor generator system for generating superheated vapor comprising: a vapor generation space for entry thereinto of liquid to be vaporized into superheated vapor, wherein said vapor generation space is in a vapor generator and further including at least one vapor generator other than said first vapor generator, said first vapor generator having means for output of superheated vapor and being connectable to controller means for controllably supplying said first vapor generator liquid for vaporization, said at least one vapor generator other than said first vapor generator having means for output of superheated and being connectable to said controller means for controllably supplying to said at least one vapor generator other than said first vapor generator liquid for vaporization; and further including controller means connectable to said first vapor generator and to said at least one vapor generator other than said first-mentioned

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vapor generator and being adjustable to control supply of liquid to said vapor generators such that at least one of said superheated vapor generators produces output of vapor during selected time intervals, said first vapor generator and said at least one vapor generator other than said first vapor generator producing output of superheated vapor in response to input of liquid.

Claim 30. (Original): The invention as set forth in Claim 29 wherein said controller adjustable to control the supply of liquid to said superheated vapor generators such that said first vapor generator and said at least one vapor generator other than said first vapor generator produce output of superheated vapor substantially continuously.

Claim 31. (Original): The invention as set forth in Claim 1 wherein said vapor generation space is at least partially defined by a suface, and wherein said surface contains at least a portion defining a plurality of holes.

Claim 32. (Original): The invention as set forth in Claim 31 wherein the depths of said holes vary substantially randomly.

Claim 33. (Original): The invention as set forth in Claim 1 wherein said at least one thermal element comprises a plurality of thermal elements and wherein said thermal elements are of arbitrary shape.

Claim 34. (Original): The invention as set forth in Claim 1 wherein said at least one thermal element is at least partially composed of thermally conductive material.

Claim 35. (Original): The invention as set forth in Claim 1 wherein said vapor generation space is at least partially defined by a surface and wherein said surface defines a plurality of openings in the nature of cracks and crevices.

Claim 36. (Original): A superheated vapor generating system comprising at least one

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vapor generator, said vapor generator being

thermally conductive and defining at least one vapor generation space, said vapor

generation space containing at least one thermal element therein.

Claim 37. (Original): The invention as set forth in Claim 36 wherein said vapor

generator is substantially spherical in shape.

Claim 38. (Original): The invention as forth in Claim 36 wherein said at least one

thermal element is of arbitrary shape.

Claim 39. (Original): The invention as forth in Claim 36 wherein said at least one

thermal element is thermally conductive.

Claim 40. (Original): The invention as forth in Claim 36 wherein at least one thermal

element and said vapor generator interior wall defining said vapor generation space

are of substantially similar material to avoid electrolysis.

Claim 41 (currently amended): A method for fabricating a superheated vapor

generation system which includes the steps of:

(1) providing at least two sections fastenable together to define and enclose

interior space;

(2) providing at least one thermal element for inclusion in said interior

space;

(3) fastening said at least two sections together; and

(4) disposing said at least one thermal element in the interior space defined

thereby in thermal contact with at least one of said sections.

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